

## BRAKE SYSTEM DIAGNOSTICS USING A HAND-HELD RADIO DEVICE

### ABSTRACT OF THE DISCLOSURE

A method for diagnosing a braking system using a system including a radio-based hand-held analyzer, at least one radio-based feed valve, and at least one mobile data unit. The braking system includes at least one brake pipe section, a reservoir, and at least one brake cylinder. The brake pipe section connects to the reservoir, the brake cylinder, and the radio-based feed valve. The hand-held radio-based analyzer communicates with the mobile data unit and the radio-based feed valve. The method includes retrieving brake system data and information using the hand-held analyzer, interpreting the retrieved data and information, and performing maintenance functions based on the interpretation of the data and information.